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William J. Tricarico, Secretary
Federal Communications Commission
Washington, D.C. 20554

Re: Family Stations, Inc.
Odessa, TX
BPED-840731IE

Dear Mr. Tricarico:

Transmitted herewith and filed in triplicate on behalf of Family Stations, Inc., is an amendment to the above-referenced noncommercial educational FM broadcast station application.

This amendment is submitted in reply to the Commission's Memorandum Opinion and Order of June 20, 1985, requiring that pending noncommercial FM applications be in compliance with the new rules adopted on that date.

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AMENDMENT

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Family Stations, Inc. hereby submits the attached amendment to its existing application for a Noncommercial Education FM Broadcast Station. This amendment demonstrates Family's compliance with the Commission's Memorandum Opinion and Order of June 20, 1985 regarding "Changes in the Rules Relating to Noncommercial Educational FM Broadcast Stations."

FAMILY STATIONS, INC.



Scott L. Smith
Vice President

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PUBLIC REF. ROOM

Signed and dated this 29th day of December, 1985.



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TELEVISION CHANNEL 6 INTERFERENCE STUDY

1. INTRODUCTION

This study was prepared by Educational FM Associates on behalf of Family Stations, Inc., applicant for a new Class A non-commercial FM broadcast station on Channel 213A, at Odessa, Texas. The purpose of this study is to demonstrate that the proposed facilities are in full compliance with the newly adopted Section 73.525 of the Commission's Rules relating to Channel 6 television interference protection.

2. INTERFERENCE STUDY

The only two Channel 6 television stations requiring study in the context of Section 73.525 of the rules are KIDY in San Angelo, Texas and KAVE-TV in Carlsbad, New Mexico which are located 108.3 and 127.4 miles respectively from the proposed FM antenna. Figure 1 in Section 73.525 of the Commission's Rules requires an undesired-to-desired field strength ratio of 22.5 db to avoid interference at the Grade B contour of a television Channel 6 station from a non-commercial FM station operating on Channel 213. The proposed 69.5 dbu contour (47 dbu

+22.5 db) represents the interference contour with respect to television Channel 6 calculated without the 6 db adjustment for receiving antenna directivity. Based on an assumption that both Channel 6 stations operate with maximum facilities of +20 dbk erp at 2000 feet HAAT, the Channel 6 47 dbu Grade B contours would extend 80.0 miles. Based on an effective mixed polarity radiated power of 3.1 kilowatts (+4.9 dbk) at a "worst case" antenna height of 389 feet above average terrain, the proposed 69.5 dbu interference contour extends 9.5 miles. A safety factor of more than 15 miles separates both Channel 6 Grade B contours and the proposed 69.5 dbu interference contour based on "worst case" assumptions for all stations.

3. CONCLUSION

Based on the preceding study it is clear that the facilities proposed by Family Stations, Inc., at Odessa, Texas, on Channel 213 are in full compliance with the provisions of Section 73.525 of the Commission's Rules relating to Channel 6 television interference protection.

Respectfully submitted,
EDUCATIONAL FM ASSOCIATES



Edward F. Perry, Jr.
December 27, 1985